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A61B 17/02**A61B 1/00**(21)Application number : **10-233734**(71)Applicant : **SUMITOMO BAKELITE CO LTD**(22)Date of filing : **20.08.1998**(72)Inventor : **MORIKAWA TOSHIKI****UEHAMA SHIRO****SHIBATA MINORU****(54) PALLIAL TUBE FOR INSERTION OF THORACOSCOPE WITH CUFF**

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent the bleeding from the circumference of an insertion part by forming two shrinkable cuffs as internal cuffs and external cuffs, respectively hermetically providing a pallial tube with these cuffs in its circumferential direction and specifying the length of the internal cuff from the end of a thoracoscope inspection port side to an internal side aperture and the expansion capacity of the external cuff.

SOLUTION: The pallial tube for thoracoscope insertion with the cuffs for insertion of the thoracoscope into an incised port in thoracoscopic surgery comprises a conduit 1 extending from the external side to the internal side, the external cuff 2 and the internal cuff 3. Ribs are formed along an axial direction in the thoracoscope insertion cavity 6 in the conduit 1. The external cuff 2 and the internal cuff 3 are expandable and shrinkable. The diameter of the largest part of the cuffs 2 and 3 at the time of their dilation attains 8 to 50 mm in diameter and the diameter of the largest part thereof is preferably approximately the same as the outside diameter of the conduit 1 at the time of shrinkage. The length from the end on the thoracoscope insertion port side of the internal cuff 3 to the aperture on the internal side is set at ≤ 30 mm and the dilation capacity of the external cuff 2 at a range of 3 to 10 times the dilation capacity of the internal cuff 3.

